



July 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Comprehensive Assessment System is the State's measure of student progress in achieving the State standards, known as *Learning Results*, adopted by the Maine Legislature in 1997. The Maine Educational Assessment (MEA) is administered in grades 3 through 8 to meet these state assessment requirements. Since the spring of 2006, the SAT Reasoning Test™ (SAT) has been administered to students in their third year of high school in place of the MEA for state and federal purposes. The move from the MEA to the SAT in grade 11 was made to encourage all students in the goal of attaining college and high-level workplace readiness as well as to measure achievement. As last year, the mathematics portion of the SAT Reasoning Test™ was augmented with 18 additional mathematics items (the Math-A test) to more fully measure Maine's *Learning Results*. Additionally, Science and Technology testing resumed this year after a two-year hiatus. The combined tests form the Maine High School Assessment (MHSA).

Because the MHSA Science & Technology achievement level standards had not been revised in 2006 like all other disciplines, it was necessary to revise the standards for that discipline this spring. The new achievement level standards are the result of a comprehensive process informed by Maine teachers and reviewed by advisory committees. The achievement level standards for the 2008 Critical Reading, Writing and Mathematics sections of the MHSA were not changed.

These 2007-2008 Maine High School Assessment Summary Reports contain the results of student performance in critical reading, mathematics, writing, and science & technology reported according to the achievement standards described above and disaggregated by student and school characteristics. This report, together with individual student and subject-specific student roster reports, provides support for use in program evaluation and planning. All scores contained in these reports are included for Maine state and federal reporting purposes only. While scores for most students may also be used for college admission, scores for students who received accommodations during the test administration that exceeded those made available by the College Board are not college reportable.

The state results reflect scores based on SAT, Math-A, and Science & Technology test questions that were taken by over 15,000 students who were enrolled in their third year of high school across all Maine public schools. The MHSA employs a design that requires students to create a written response to a writing prompt, generate answers to open-ended mathematics and science & technology questions, and in all subjects, select answers to multiple-choice questions. More information about the design, history, and use of the SAT can be found at: http://www.maine.gov/education/sat_initiative/.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and graduate from any Maine high school prepared for college, career, and citizenship.

Sincerely,

Susan A. Gendron
Commissioner of Education



High School Report

Test Date: May 2008
ID: 11701419
SAU: Waterville Public Schools
School: Waterville Senior High School

Contents of the Report

The report is divided into six main sections including a section describing the students tested and a separate section for the results in each content area.

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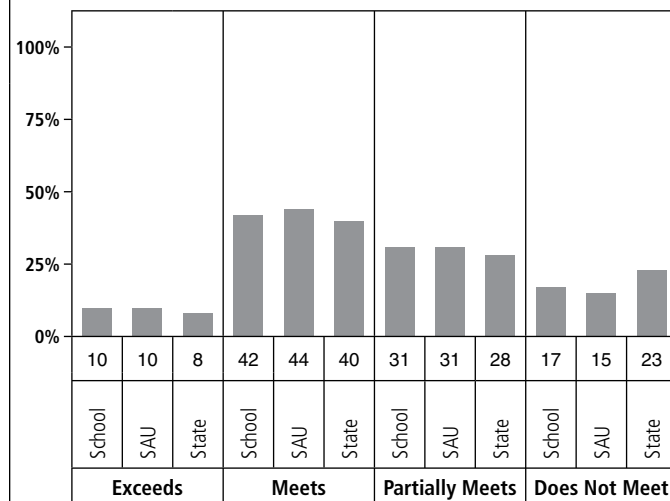
SUMMARY OF SCORES

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

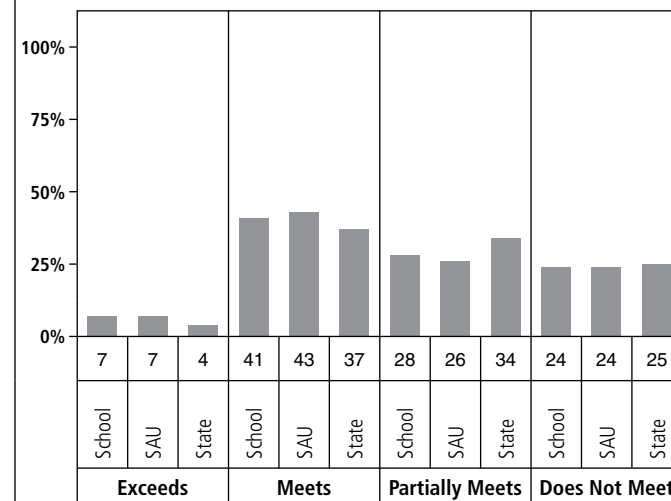
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
Critical Reading 2006–2007 2007–2008	1141 1143	1140 1143	1141 1141
Mathematics 2006–2007 2007–2008	1141 1142	1140 1142	1140 1141
Writing 2006–2007 2007–2008	1141 1142	1141 1143	1141 1140
Science 2007–2008	1143	1143	1141

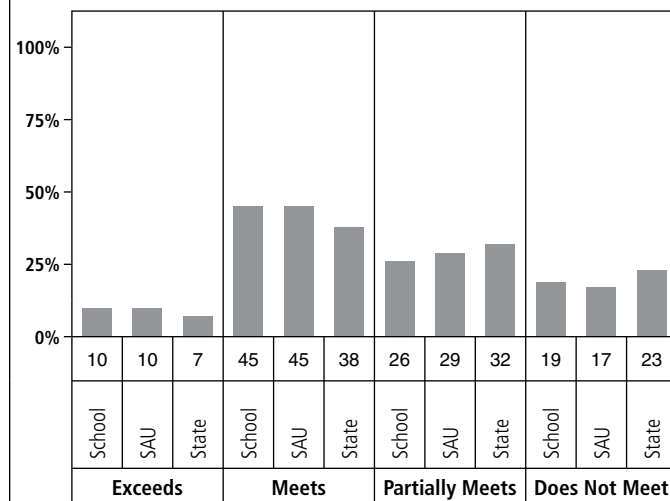
CRITICAL READING



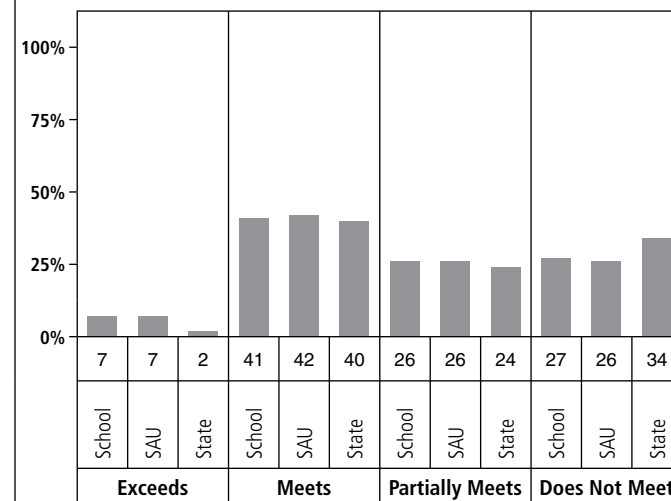
MATHEMATICS



WRITING



SCIENCE



SUMMARY OF STUDENT PARTICIPATION

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							Critical Reading						Mathematics						Writing						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Total number of students	152	100	144	100	15604	100	148	97	140	97	14875	96	151	99	143	99	15165	97	148	97	140	97	14869	96	147	97	139	97	14961	96
Ethnicity African American/Black	5	3	5	3	305	2	5	100	5	100	261	86	5	100	5	100	286	95	5	100	5	100	260	86	4	80	4	80	280	93
American Indian or Native Alaskan	0	0	0	0	103	1	0	0	0	0	95	93	0	0	0	0	97	95	0	0	0	0	95	93	0	0	0	0	93	91
Asian or Pacific Islander	0	0	0	0	215	1	0	0	0	0	194	90	0	0	0	0	202	94	0	0	0	0	194	90	0	0	0	0	200	93
Hispanic	4	3	5	3	140	1	4	100	5	100	118	84	4	100	5	100	123	88	4	100	5	100	118	84	4	100	5	100	120	86
Caucasian/White	143	94	134	93	14841	95	139	97	130	97	14207	96	142	99	133	99	14457	98	139	97	130	97	14202	96	139	97	130	97	14268	96
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	33	22	31	22	2247	14	32	97	30	97	2065	93	32	97	30	97	2138	96	32	97	30	97	2060	92	29	88	27	87	2081	93
Current LEP	2	1	2	1	648	4	2	100	2	100	508	79	2	100	2	100	564	87	2	100	2	100	507	78	2	100	2	100	534	83
Economically disadvantaged	56	37	55	38	4028	26	54	96	53	96	3682	92	56	100	55	100	3831	95	54	96	53	96	3679	92	54	96	53	96	3755	94
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100

MODE OF PARTICIPATION ³	Critical Reading						Mathematics						Writing						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	N %		N %		N %		N %		N %		N %		N %		N %		N %		N %		N %		N %	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Participation without accommodations	117	77	112	78	13042	84	120	79	115	80	13332	85	117	77	112	78	13042	84	118	78	113	78	13192	85
Identified disability (PET/IEP)	7	6	7	6	739	6	7	6	7	6	810	6	7	6	7	6	739	6	6	5	6	5	791	6
LEP	0	0	0	0	399	3	0	0	0	0	456	3	0	0	0	0	399	3	0	0	0	0	436	3
504 plan	2	2	2	2	196	2	2	2	2	2	204	2	2	2	2	2	196	2	2	2	2	2	201	2
Participation with accommodations	27	18	25	17	1623	10	27	18	25	17	1624	10	27	18	25	17	1625	10	25	16	23	16	1567	10
Identified disability (PET/IEP)	21	78	20	80	1117	69	21	78	20	80	1119	69	21	78	20	80	1119	69	19	76	18	78	1088	69
LEP	1	4	1	4	93	6	1	4	1	4	93	6	1	4	1	4	93	6	1	4	1	4	83	5
504 plan	2	7	2	8	58	4	2	7	2	8	58	4	2	7	2	8	58	4	2	8	2	9	55	4
Other	3	11	2	8	367	23	3	11	2	8	366	23	3	11	2	8	367	23	3	12	2	9	353	23
Participation through alternate assessment (PAAP)	4	3	3	2	209	1	4	3	3	2	209	1	4	3	3	2	202	1	4	3	3	2	202	1
Identified disability (PET/IEP)	4	100	3	100	209	100	4	100	3	100	209	100	4	100	3	100	202	100	4	100	3	100	202	100
LEP	1	25	1	33	15	7	1	25	1	33	15	7	1	25	1	33	15	7	1	25	1	33	15	7
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	36	0	0	0	0	0	40	0	0	0	0	0	36	0	0	0	0	0	38	0
Non-participation – other	4	3	4	3	693	4	1	1	1	1	399	3	4	3	4	3	699	4	5	3	5	3	605	4

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

CRITICAL READING RESULTS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the reading standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within reading at the grade level assessed. Evidence includes responses to multiple-choice items in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws in-depth inferences, analyzes texts for subtle clues, synthesizes information across texts, and uses knowledge of text structures and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 1161-1180)	2005-2006	6	4	7	5	1079	7
	2006-2007	10	7	6	5	1168	8
	2007-2008	14	10	13	10	1184	8
	Cum. Total*	30	7	26	7	3431	8
Meets the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to increase comprehension. (scaled score 1141-1160)	2005-2006	53	37	46	35	5697	38
	2006-2007	54	38	51	38	5714	38
	2007-2008	59	42	59	44	5885	40
	Cum. Total*	166	39	156	39	17296	39
Partially Meets the Standards – The student's work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student's ability to use a variety of reasoning skills and prior knowledge varies depending on the texts as s/he draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to support comprehension. (scaled score 1129-1140)	2005-2006	47	32	45	34	4772	32
	2006-2007	50	35	49	37	4728	31
	2007-2008	43	31	41	31	4093	28
	Cum. Total*	140	33	135	34	13593	30
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often incorrect leaving the impression that the student found it difficult to use a variety of reasoning skills and prior knowledge as s/he draws inferences, identifies summary statements, connects ideas within and across texts, or uses knowledge of text structures and literary devices to support comprehension. (scaled score 1100-1128)	2005-2006	39	27	35	26	3595	24
	2006-2007	29	20	27	20	3444	23
	2007-2008	24	17	20	15	3417	23
	Cum. Total*	92	21	82	21	10456	23

CRITICAL READING RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	140	14	10	59	42	43	31	24	17	1143	133	10	44	31	15	1143	14579	8	40	28	23	1141
Ethnicity																						
African American/Black	4										4						248	4	21	27	48	1132
American Indian or Native Alaskan	0										0						94	5	27	28	40	1134
Asian or Pacific Islander	0										0						192	4	35	30	31	1138
Hispanic	4										5	0	40	40	20	1138	115	5	32	26	37	1136
Caucasian/White	132	14	11	56	42	41	31	21	16	1143	124	10	44	31	14	1144	13930	8	41	28	23	1141
Not Reported	0										0						0					
Identified disability																						
Yes	26	0	0	2	8	11	42	13	50	1129	25	0	8	44	48	1129	1823	1	9	24	65	1126
No	114	14	12	57	50	32	28	11	10	1146	108	12	53	28	7	1147	12756	9	45	29	17	1143
Current LEP																						
Yes	1										1						488	3	22	24	52	1132
No	139	14	10	59	42	43	31	23	17	1143	132	10	45	31	14	1143	14091	8	41	28	22	1141
Economically disadvantaged																						
Yes	50	2	4	14	28	17	34	17	34	1135	49	4	31	35	31	1136	3545	3	28	30	39	1134
No	90	12	13	45	50	26	29	7	8	1147	84	13	52	29	6	1147	11034	10	44	27	19	1143
Migrant																						
Yes	0										0						5	20	0	40	40	1136
No	140	14	10	59	42	43	31	24	17	1143	133	10	44	31	15	1143	14574	8	40	28	23	1141
Gender																						
Female	70	8	11	31	44	19	27	12	17	1144	67	12	46	25	16	1145	7237	8	42	30	19	1142
Male	70	6	9	28	40	24	34	12	17	1142	66	8	42	36	14	1142	7342	8	38	26	28	1140
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	9	30	61	1127
No	140	14	10	59	42	43	31	24	17	1143	133	10	44	31	15	1143	14476	8	41	28	23	1141
Gifted/talented program																						
Yes	0										0						295	48	48	4	0	1161
No	140	14	10	59	42	43	31	24	17	1143	133	10	44	31	15	1143	14284	7	40	29	24	1140

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the mathematics standards for achieving Maine's *Learning Results*. Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within mathematics at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL *					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult or unfamiliar problems, and apply complex concepts. (scaled score 1161-1180)	2006-2007 2007-2008	2 10	1 7	2 9	1 7	578 637	4 4
Meets the Standards – The student's work demonstrates an understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to reason, analyze and solve problems, and apply concepts. (scaled score 1141-1160)	2006-2007 2007-2008	58 59	39 41	50 59	36 43	5481 5508	36 37
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems and apply concepts. (scaled score 1133-1140)	2006-2007 2007-2008	44 40	30 28	43 35	31 26	4754 5065	31 34
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and apply concepts. (scaled score 1100-1132)	2006-2007 2007-2008	44 34	30 24	43 33	31 24	4607 3660	30 25

MATHEMATICS RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	143	10	7	59	41	40	28	34	24	1142	136	7	43	26	24	1142	14870	4	37	34	25	1141
Ethnicity																						
African American/Black	4										4						274	1	12	31	57	1133
American Indian or Native Alaskan	0										0						96	2	24	30	44	1136
Asian or Pacific Islander	0										0						200	8	37	34	22	1142
Hispanic	4										5	0	20	60	20	1138	120	3	23	32	43	1138
Caucasian/White	135	10	7	56	41	37	27	32	24	1142	127	7	43	25	24	1142	14180	4	38	34	24	1141
Not Reported	0										0						0					
Identified disability																						
Yes	26	0	0	4	15	8	31	14	54	1133	25	0	16	28	56	1133	1896	0	8	22	70	1130
No	117	10	9	55	47	32	27	20	17	1144	111	8	50	25	17	1144	12974	5	41	36	18	1142
Current LEP																						
Yes	1										1						545	3	16	28	53	1135
No	142	10	7	59	42	40	28	33	23	1142	135	7	44	26	24	1142	14325	4	38	34	24	1141
Economically disadvantaged																						
Yes	52	1	2	10	19	18	35	23	44	1135	51	2	22	31	45	1135	3695	1	22	37	40	1136
No	91	9	10	49	54	22	24	11	12	1146	85	9	56	22	12	1146	11175	5	42	33	19	1142
Migrant																						
Yes	0										0						5	20	20	40	20	1144
No	143	10	7	59	41	40	28	34	24	1142	136	7	43	26	24	1142	14865	4	37	34	25	1141
Gender																						
Female	72	5	7	31	43	17	24	19	26	1142	69	7	45	20	28	1142	7362	3	36	36	24	1140
Male	71	5	7	28	39	23	32	15	21	1142	67	6	42	31	21	1142	7508	5	38	32	25	1141
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	8	41	51	1134
No	143	10	7	59	41	40	28	34	24	1142	136	7	43	26	24	1142	14767	4	37	34	24	1141
Gifted/talented program																						
Yes	0										0						296	35	59	5	0	1158
No	143	10	7	59	41	40	28	34	24	1142	136	7	43	26	24	1142	14574	4	37	35	25	1140

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

WRITING RESULTS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the writing standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within writing at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's responses demonstrate skillful ability to select clear, precise sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity, precision and overall effectiveness of a passage. The student's essay demonstrates an effectively developed and insightful point of view on the issue and outstanding critical thinking, with clearly appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and clearly focused, demonstrating clear coherence and smooth progression of ideas and free of most errors in grammar, usage, and mechanics. (scaled score 1161-1180)	2005-2006	8	6	8	6	952	6
	2006-2007	9	6	6	5	937	6
	2007-2008	14	10	13	10	962	7
	Cum. Total*	31	7	27	7	2851	6
Meets the Standards – The student's responses demonstrate ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates an effectively developed point of view on the issue and strong critical thinking, with generally appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and focused, demonstrating coherence and progression of ideas and generally free of most errors in grammar, usage, and mechanics. (scaled score 1141-1160)	2005-2006	51	35	48	36	6055	40
	2006-2007	60	42	56	42	6167	41
	2007-2008	63	45	60	45	5564	38
	Cum. Total*	174	41	164	41	17786	40
Partially Meets the Standards – The student's responses demonstrate inconsistent ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates a developed point of view on the issue and some critical thinking, but may do so inconsistently or with inadequate examples, reasons, or other evidence to support a position. The essay is generally organized and focused, but may demonstrate some lapses in coherence or progression of ideas and may contain errors in grammar, usage, and mechanics. (scaled score 1129-1140)	2005-2006	48	33	43	32	4916	32
	2006-2007	48	34	47	35	4723	31
	2007-2008	37	26	38	29	4679	32
	Cum. Total*	133	31	128	32	14318	32
Does Not Meet the Standards – The student's responses demonstrate limited ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates a vague or seriously limited point of view on the issues and weak critical thinking, with inappropriate or insufficient examples, reasons, or other evidence to support a position. The essay is poorly organized and/or focused and may contain an accumulation of errors in grammar, usage, and mechanics that interfere with understanding the message of the essay. (scaled score 1100-1128)	2005-2006	38	26	34	26	3221	21
	2006-2007	26	18	24	18	3227	21
	2007-2008	26	19	22	17	3376	23
	Cum. Total*	90	21	80	20	9824	22

WRITING RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	140	14	10	63	45	37	26	26	19	1142	133	10	45	29	17	1143	14581	7	38	32	23	1140
Ethnicity																						
African American/Black	4										4						248	2	19	30	49	1131
American Indian or Native Alaskan	0										0						94	3	19	38	39	1133
Asian or Pacific Islander	0										0						192	6	30	34	30	1137
Hispanic	4										5	0	40	40	20	1136	115	2	30	36	33	1136
Caucasian/White	132	14	11	60	45	35	27	23	17	1143	124	10	46	28	15	1143	13932	7	39	32	22	1140
Not Reported	0										0						0					
Identified disability																						
Yes	26	0	0	2	8	9	35	15	58	1128	25	0	8	36	56	1128	1825	1	7	23	69	1125
No	114	14	12	61	54	28	25	11	10	1146	108	12	54	27	7	1146	12756	7	43	33	17	1142
Current LEP																						
Yes	1										1						488	3	19	29	49	1131
No	139	14	10	63	45	37	27	25	18	1143	132	10	45	29	16	1143	14093	7	39	32	22	1140
Economically disadvantaged																						
Yes	50	2	4	14	28	19	38	15	30	1135	49	4	29	41	27	1136	3546	2	25	35	38	1134
No	90	12	13	49	54	18	20	11	12	1146	84	13	55	21	11	1146	11035	8	42	31	18	1142
Migrant																						
Yes	0										0						5	20	0	20	60	1131
No	140	14	10	63	45	37	26	26	19	1142	133	10	45	29	17	1143	14576	7	38	32	23	1140
Gender																						
Female	70	10	14	34	49	17	24	9	13	1145	67	15	48	25	12	1145	7239	8	43	33	17	1142
Male	70	4	6	29	41	20	29	17	24	1140	66	5	42	32	21	1141	7342	6	34	31	30	1138
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	7	39	54	1128
No	140	14	10	63	45	37	26	26	19	1142	133	10	45	29	17	1143	14478	7	38	32	23	1140
Gifted/talented program																						
Yes	0										0						295	42	53	4	0	1159
No	140	14	10	63	45	37	26	26	19	1142	133	10	45	29	17	1143	14286	6	38	33	24	1139

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the science standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within science at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL*					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 1161-1180)	2007-2008	10	7	9	7	300	2
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 1141-1160)	2007-2008	58	41	57	42	5927	40
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 1135-1140)	2007-2008	37	26	35	26	3544	24
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 1100-1134)	2007-2008	38	27	35	26	4988	34

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	15	27	6.91	46.1	6.89	45.9	6.41	42.7
Cluster 2: Physical Sciences	14	25	6.90	49.3	6.98	49.9	6.22	44.4
Cluster 3: Earth and Space Sciences	14	25	5.47	39.1	5.53	39.5	5.04	36.0
Cluster 4: Nature and Implications of Science	13	23	7.34	56.5	7.44	57.2	6.59	50.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MHSA measures a grade span expectation, which can be found at <http://www.maine.gov/education/salt/gles.htm>.

SCIENCE RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Waterville Public Schools
School: Waterville Senior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	143	10	7	58	41	37	26	38	27	1143	136	7	42	26	26	1143	14759	2	40	24	34	1141
Ethnicity																						
African American/Black	4										4						269	0	20	14	65	1134
American Indian or Native Alaskan	0										0						92	1	24	28	47	1138
Asian or Pacific Islander	0										0						199	3	36	25	36	1140
Hispanic	4										5	0	40	20	40	1138	118	1	26	19	54	1136
Caucasian/White	135	10	7	54	40	36	27	35	26	1143	127	7	41	27	25	1143	14081	2	41	24	33	1141
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	3	12	8	32	14	56	1135	24	0	13	33	54	1135	1879	0	11	17	72	1133
No	118	10	8	55	47	29	25	24	20	1145	112	8	48	24	20	1145	12880	2	44	25	28	1142
Current LEP																						
Yes	1										1						519	1	18	19	62	1134
No	142	10	7	58	41	36	25	38	27	1143	135	7	42	25	26	1143	14240	2	41	24	33	1141
Economically disadvantaged																						
Yes	51	1	2	14	27	10	20	26	51	1137	50	2	30	20	48	1138	3651	1	26	24	49	1137
No	92	9	10	44	48	27	29	12	13	1146	86	9	49	29	13	1146	11108	3	45	24	29	1142
Migrant																						
Yes	0										0						5	20	40	40	0	1146
No	143	10	7	58	41	37	26	38	27	1143	136	7	42	26	26	1143	14754	2	40	24	34	1141
Gender																						
Female	73	4	5	28	38	20	27	21	29	1142	70	6	39	27	29	1142	7277	1	37	26	36	1140
Male	70	6	9	30	43	17	24	17	24	1144	66	8	45	24	23	1144	7482	3	43	22	32	1141
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						100	1	5	22	72	1133
No	143	10	7	58	41	37	26	38	27	1143	136	7	42	26	26	1143	14659	2	40	24	34	1141
Gifted/talented program																						
Yes	0										0						296	13	80	5	3	1152
No	143	10	7	58	41	37	26	38	27	1143	136	7	42	26	26	1143	14463	2	39	24	34	1140

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